

## **Class-E Cargo Compartment Fire Mitigation Strategies Subjected to Lithium Battery Fires**

Dhaval Dadia

In response to three major fire incidents aboard cargo airplanes and subsequent NTSB recommendations, the Fire Safety Branch was tasked to investigate methods to enhance fire safety in class-E cargo compartments. Accident investigation reports revealed that large shipments of lithium batteries were present in the class-E cargo compartments of the three incidents. The mitigation strategies that were developed to contain fires in class-E cargo compartments and subjected to class-A fires were subjected to lithium metal and lithium-ion battery fires.